

/H/L/E 1 ATGACACCGACGACGACGACCGCGGAACTCACG 33  
 /H/L/E 34 ACGGAGTTTGACTACGACGATGAAGCGACTCCC 66  
 /H/L/E 67 TGTGTCCTCACCGACGTGCTTAATCAGTCGAAG 99  
 /H/L/E 100 CCAGTCACGTTGTTTCTGTACGGCGTTGTCTTT 132  
 /H/L/E 133 CTCTTCGGTTCCATCGGCAACTTCTTGGTGATC 165  
 /H/L/E 166 TTCACCATCACCTGGCGACGTGGGATTCAATGT 198  
 /H/L/E 199 TCCGGCGATGTTTACTTTATCAACCTCGCGGCC 231  
 /H/L/E 232 GCCGATTTGCTTTTCGTTTGTACACTACCTCTG 264  
 /H/L/E 265 TGGATGCAATACCTCCTAGATCACAACCTCCCTA 297  
 /H/L/E 298 GCCAGCGTGCCGTGTACGTTACTCACTGCCTGT 330  
 /H/L/E 331 TTCTACGTGGCTATGTTTGCCAGTTTGTGTTTT 363  
 /H/L/E 364 ATCACGGAGATTGCACTCGATCGCTACTACGCT 396  
 /H/L/E 397 ATTGTTTACATGAGATATCGGCCTGTAAACAG 429  
 /H/L/E 430 GCCTGCCTTTTCAGTATTTTTTGGTGGATCTTT 462  
 /H/L/E 463 GCCGTGATCATCGCCATTCCACACTTTATGGTG 495  
 /H/L/E 496 GTGACCAAAAAAGACAATCAATGTATGACCGAC 528  
 /H/L/E 529 TACGACTACTTAGAGGTCAGTTACCCGATCATC 561  
 /H/L/E 562 CTCAACGTAGAACTCATGCTCGGTGCTTTTCGTG 594  
 /H/L/E 595 ATCCCGCTCAGTGTGATCAGCTACTGCTACTAC 627  
 /H/L/E 628 CGCATTTCAGAAATCGTTGCGGTGTCTCAGTCG 660  
 /H/L/E 661 CGCCACAAAGGCCGCATTGTACGGGTACTTATA 693  
 /H/L/E 694 GCGGTCGTGCTTGTCTTTATCATCTTTTGGCTG 726  
 /H/L/E 727 CCGTACCACCTGACGCTGTTTGTGGACACGTTG 759  
 /H/L/E 760 AACTGCTCAAATGGATCTCCAGCAGCTGCGAG 792  
 /H/L/E 793 TTCGAAAAATCACTCAAGCGCGCGCTCATCTTG 825  
 /H/L/E 826 ACCGAGTCACTCGCCTTTTGTCACTGTTGTCTC 858  
 /H/L/E 859 AATCCGCTGCTGTACGTCTTCGTGGGCACCAAG 891  
 /H/L/E 892 TTTCCGGCAAGAACTGCACTGTCTGCTGGCCGAG 924  
 /H/L/E 925 TTTCCGCCAGCGACTGTTTTCCCGCGATGTATCC 957  
 /H/L/E 958 TGGTACCACAGCATGAGCTTTTCGCGTCGGAGC 990  
 /H/L/E 991 TCGCCGAGCCGAAGAGAGACGTCTTCCGACACG 1023  
 /H/L/E 1024 CTGTCCGACGAGGCGTGTGCGGTCTCACAAATT 1056  
 /H/L/E 1057 ATACCGTAA 1085

Fig. 1A

VHL/E	1	<u>MTPTTTTAELTTEFDYDDEATPCVLT</u> DVLNQSK	33
VHL/E	34	<u>PVTLE</u> LYGVVFLFGSIGNFLVIFTITWRRRIQC	66
VHL/E	67	SGDVYFINLAAADLLFVCTLPLWMOYLLDHNSL	99
VHL/E	100	ASVPCTLLTACFYVAMFASLCFITEIALDRYYA	132
VHL/E	133	IVYMRYRPVKQACLFSEFWWIFAVIIAIPHFMV	165
VHL/E	166	VTKKDNQCMTDYDYLEVSYPIILNVELMLGAFV	198
VHL/E	199	IPLSVISYCYRISRIVAVSQSRHKGRIVRVL	231
VHL/E	232	AVVLVFIIFWLPYHLTLFVDTLKLLKWISSSCE	264
VHL/E	265	FEKSLKRALILTESLAFCHCCLNPLLYVFGTK	297
VHL/E	298	FROELHCLLAEFRORLFSRDVSWYHSMSFSRRS	330
VHL/E	331	SPSRRETSSDTLSDEACRVSQIIP	354

Fig. 1B



human US28.133	I V Y M R Y R R V K Q . . . . . A C E S I F W W E F A A I	157
rhesus US28.118	N L V W M A P I S V K . . . T A F K H C I G T . . . W E V S A F	143
rhesus US28.219	S L V K N K P L S V K . . . K A S V S C A C I . . . W E V S A F	144
rhesus US28.321	S L V W E A P I T R N . . . K A I A N C V L F . . . W E V S E	146
rhesus US28.415	V I I C B H P L P V N L N Y S Q V I G . . . S V W . . . L V A V	141
rhesus US28.556	I L L G T E K A N R R L L R N A V S G C M I M . . . W G L C F E	284
human US28.158	E A I P H E M V V T K . K D N O C . M T D Y D Y . L E V S Y P I	186
rhesus US28.144	V A S P Y Y A Y R N S H E H E C I L G N Y T W H I N E P L H T	175
rhesus US28.215	V S S P Y Y M F R S O H E T N S C I L G N Y T W H M N S P E R T	178
rhesus US28.317	L A A P Y Y S F R N E H E H O C I M R N Y T W S V G E T W H I	178
rhesus US28.442	S A S P F S I F N G . S V K O C . L G N M G . S I P S E I S S A	170
rhesus US28.555	E A L P H F I E M K K . G T N V C . V A E Y E P G I N N F Y W I	314
human US28.187	I L N V E L M L G A F V I P S V I S Y C Y Y R I S R I V A V S	218
rhesus US28.178	C M D V V I W E F L A P V L V S I L A S V K M . R R L T W G	208
rhesus US28.277	T M D A S I N I W S F V V P A V T L L I A R R I Y V . C T S G	207
rhesus US28.379	A L D F F I T E T E G M P V T I V L A L S E K M A R W S T E G	210
rhesus US28.471	V L N L E V H L C S F W L P L M S A N C Y Y Q A K R R A S P D	202
rhesus US28.515	F I N T E V N L G T V L P A A A I I Y W Y L K L T K I A L K T H	346
human US28.219	Q S . R H K G R I V R V L A V V E F W L P Y H L T L F	249
rhesus US28.207	N T . R N E K N S D I L E V M T I V F W G P F N I V L V	237
rhesus US28.218	N K . K M N A R A S G L L E A M V S M E F E G G L F N L N I F	238
rhesus US28.311	Y R . N I T S R T S L I L E G T L V A A G F W G P F H L E M F	241
rhesus US28.403	Q . . L H E L Y R C S L L E T T I T T Y A I V W F P E H L A L E	232
rhesus US28.517	E A L R H R L T S L N I V L A V V E F W L P Y N L M L M	378
human US28.250	V D T L K I . L K W I S S S C E F E R S L K R A L I L T E S L A	280
rhesus US28.238	R D N I L O R Y V D T L T N C O V E K I K H I M A M I S E A I V	268
rhesus US28.239	R D . I V S D T S E D N K D C T Y L K O E H F I R M V G V A L V	269
rhesus US28.242	I E N V A G O I Y H I O K D C W Y L Q L R H L C S L M T E T L V	273
rhesus US28.403	F D A L I S . I S H V E P S S A L H W A . . S I V V T C K S F T	281
rhesus US28.579	M Y S L V H . M Q . I P W E C S S E K I L R S L I T E S I A	408
human US28.281	F C H C C L N P L L Y M F V G T K F R Q E L H C L L A E F R Q R	312
rhesus US28.269	Y F R G I T A P I I Y V G I S G R E R E E I Y S L F R R O E N	300
rhesus US28.270	Y G R A I F N P F M Y M C V S T L R Q E I K C L F M R I P Y E	301
rhesus US28.374	F L R S V F N P Y I Y M I S Y K E R Q Q V R S L L K R T Q Y D	305
rhesus US28.462	F V Y A G I S P L V Y F T C C P T V R R E L L M S L R P F T .	292
rhesus US28.509	L S H C C I N P L I Y L E G P R C B S E F C H L L R C C F T R	440
human US28.313	I F S R D V S W . . Y H S M S F S R R S S P S R R E T S S D T L	342
rhesus US28.301	D L D P D A N . . . . Q F M I E L T S O G R E N R R A R O S	327
rhesus US28.302	T L D A E H A . . . . K L M V N L K N R N A N V P D P I C . .	325
rhesus US28.306	A L D T T Q L . . . . A E T M O L K A K G V P V S D P A . . .	329
rhesus US28.403	. . . . . M I S S K E R R G Y A P I K T O P L N I P D E P I	317
rhesus US28.511	I . C P H R I S W S S I R A E T V S I S L S H S Q V S I A S S E I D	471
human US28.343	S D E V C R V S Q I I P	354
rhesus US28.328	E S N V P Q P E E C F W	339
rhesus US28.328	. . . . P R E Y E S V L	333
rhesus US28.330	. . . . P H D C E C F L	337
rhesus US28.418	D N K S P H L L N . . E	327
rhesus US28.572	D N D V H D E L O E T I	483

FIG.2 (Page 2 of 2)

human UL78	1	MSPSVEETTSVTESIM	FAIVSFKHMGPFEGY	31
rhesus UL78	1	- - - - -	- - - - -	0
human UL78	32	SMSADRAASDLLIGM	FGSVSLVNIETTELGC	62
rhesus UL78	1	-MITERVLAGLLAGMT	AAGSLVNIETTELGC	28
human UL78	63	WVLRVTRP - - PVSVM	IFTWNLVLSQFFSLA	91
rhesus UL78	29	WLNMLDRAGMPMAVGHY	TGNLVLTQVLCIFLS	59
human UL78	92	TMLSKGIMLRGALNLS	LCHLVLFVDDVGLYS	122
rhesus UL78	60	-MLASKIVGMTSAAANM	GFGGLVLFVDDVGLYS	89
human UL78	123	TALEISRELLILDRLSA	ISYGRDLWHHE - TREN	152
rhesus UL78	90	VTSLLEFIMEMILDRMAA	FLNGRLFWRQGLTKQ	120
human UL78	153	AGVALYAVAFAWVLS	LVAAVPTAATGSLDYR	183
rhesus UL78	121	NLSTSVYITLFCWVLGMAAA	AVPSAAVAAPNS	151
human UL78	184	WLGQCQIPIQYAAVDLT	TKMWFLLGAPMFAVLE	214
rhesus UL78	152	BWERCEIPVSYAAIDM	IVKLWFVLLAELVLE	182
human UL78	215	ANVVE LAYSDFIRDPH	VWSYVGRVCTFYVTCLE	245
rhesus UL78	183	MAV I IQSSYHLEIRI	WYYARRVFMFYTACE	213
human UL78	246	EFVPYYCFRV - - - -	LRGV - LQPASAAAGTG	269
rhesus UL78	214	VMMVPPYYFVRVMLSDF	ALVDIKTKTANS DGC	244
human UL78	270	FGTMDYVELATRTLLT	MRLGLDPEFIFAFFS	300
rhesus UL78	245	DSTFLDYLNMFTHVIYS	FKLVVFAFEELVLE	275
human UL78	301	REPTKDLDDSFDFYL	VERCQQSCHGHFVRRLV	331
rhesus UL78	276	SINPMETLEECLE	RADAERQISEASQGER	306
human UL78	332	QALKRAMYSVELAVCY	FSTSVRDVAEAVKKS	362
rhesus UL78	307	LPINTCCIKLIELIKQY	VSTLSKATRDNSGE	337
human UL78	363	SSRCYADATSAAVVVT	TTTSEKATLVEHAEG	393
rhesus UL78	338	RANLPENAEEDIGTTGS	DQLPTEVTVPNSSA	368
human UL78	394	MASEMCPGTTI	DVSAE SSSVLC TDGENTVAS	424
rhesus UL78	369	VFSTTGGTVSPV		379
human UL78	425	DATVTA L		431

FIG. 3



# Binding of Fractalkine to HCMV Virions

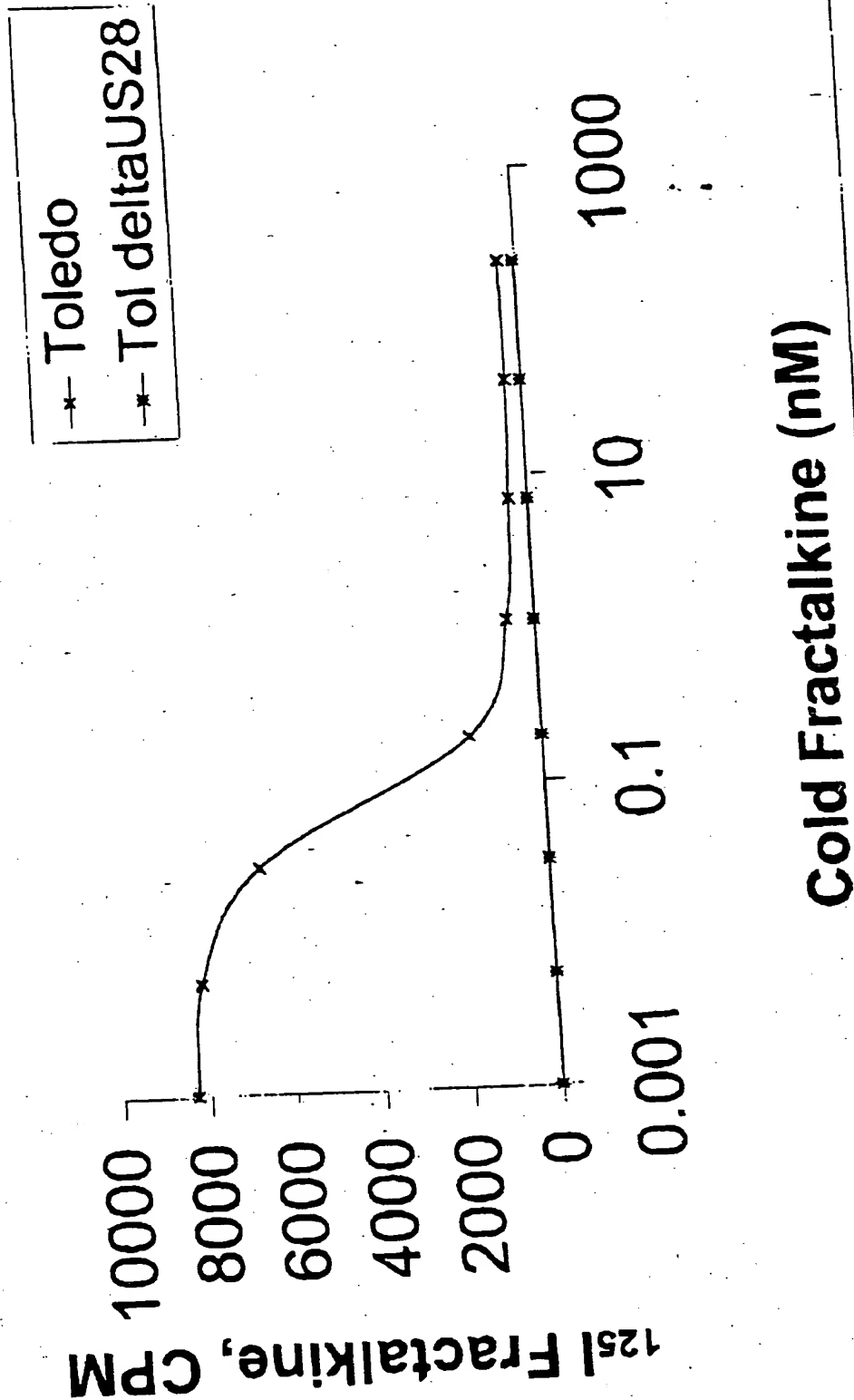


FIG. 5

**Fractalkine Homologous Competition  
on Rh-CMV Infected Fibroblasts**

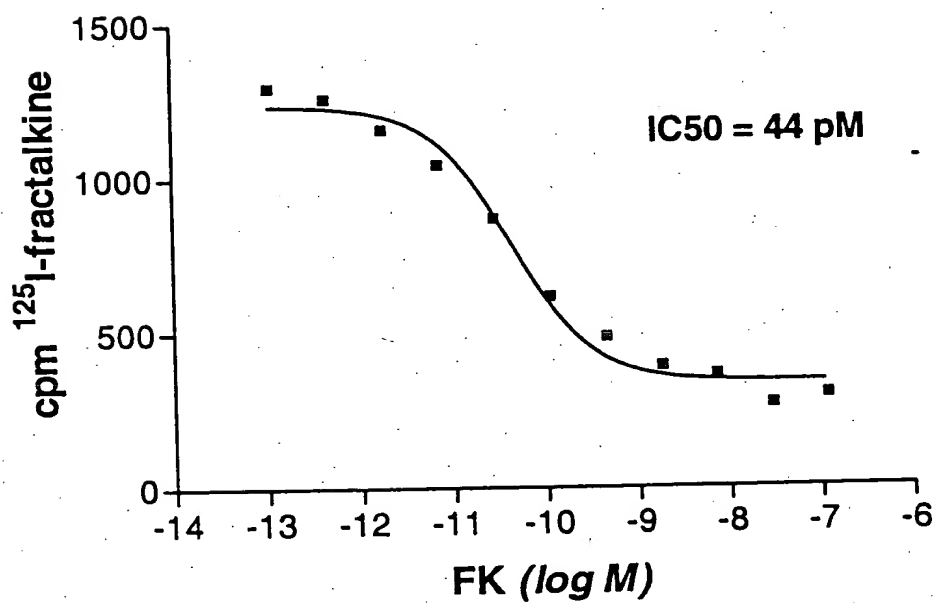


FIG. 6



## Sucrose Virions/CX3C binding

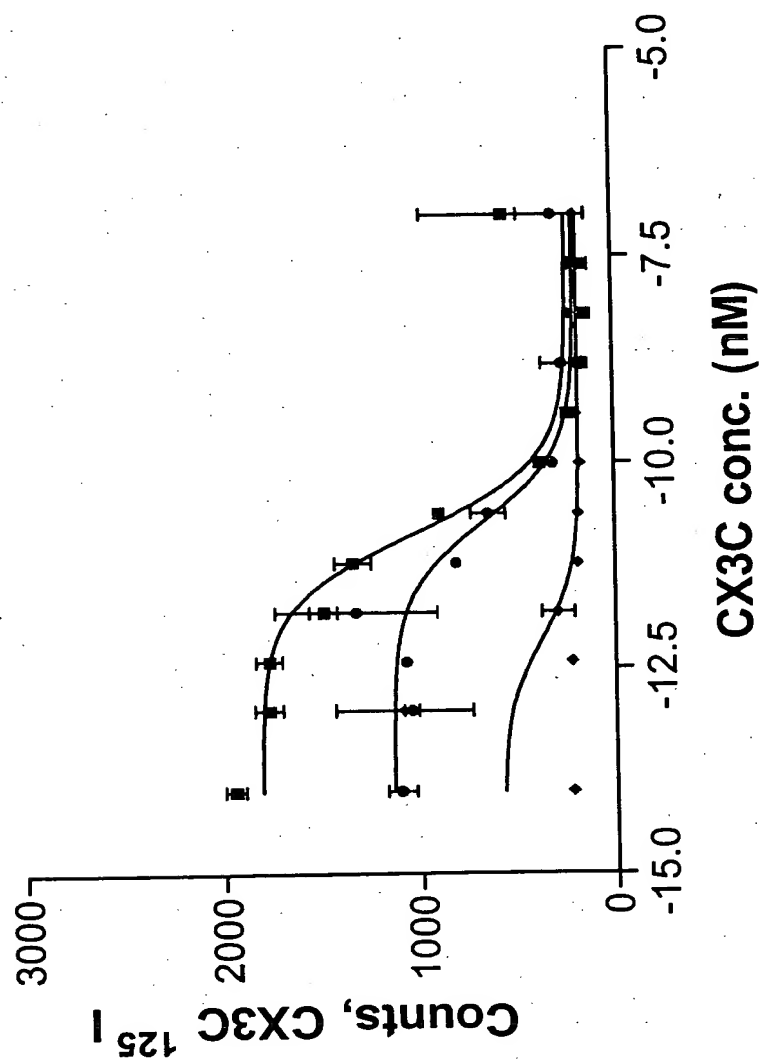


Fig. 7